

**Abstract of the Disclosure**

A device for monitoring a gas volume in a unit filled with a liquid, where the unit has an inlet line with at least one expansion chamber, and the device includes one or more buoyant bodies floating in the liquid. The floating buoyant body is connected to a shaft, fixed in the expansion chamber and mounted pivotally relative to the shaft. The gas volume above the liquid may be recorded rapidly and with high accuracy, by measuring the torque generated by the buoyant body, or an angle to the horizontal. There is also disclosed a method for monitoring a gas volume in a unit filled with liquid, by way of a floating buoyant body.